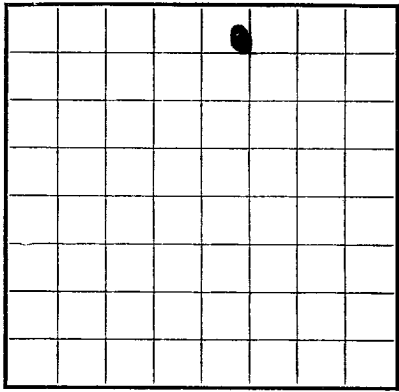


U. S. LAND OFFICE
SERIAL NUMBER **LC-060850**
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

HOBBS OFFICE
JAN 15 1955

Company **Union Oil Company of California** Address **619 West Texas Avenue, Midland, Texas**
Lessor or Tract **Federal-Union** Field **S. Dickey Queen** State **New Mexico**
Well No. **1-8** Sec. **8** T. **15S** R. **31E** Meridian **N.M.P.M.** County **Chaves**
Location **554** ft. **xxx** [S.] of **north** Line and **2086** ft. **xxx** [W.] of **east** Line of **Sec. 8** Elevation **4454** KDB
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed **James E. Ryan** Title **Ass't Division Engineer**
Date **January 5, 1955**

The summary on this page is for the condition of the well at above date.

Commenced drilling **December 18**, 19**54** Finished drilling **December 28**, 19**54**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3122** to **3144** No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **NONE** to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8	24	8 R T	Spang	299.34	Texas Pat.	---	---	---	Surface casg.
5-1/2	15.5417	8 R T	Monstar	3109.99	Salmer guide shoe	---	---	---	Prod. casing
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	312.84	250 ex. 4 1/2 gal	P & P	---	---
5-1/2	3123	250 ex. 4 1/2 gal	P & P	---	---

PLUGS AND ADAPTERS

Heaving plug—Material **N** Length _____ Depth set _____
Adapters—Material **N** Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		N				
		O				
		N				
		E				

TOOLS USED

Rotary tools were used from **0** feet to **3146** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

January 4, 19**55** Put to producing **January 4**, 19**55**

The production for the first 24 hours was **208.56** barrels of fluid of which **99.8** % was oil; _____ % emulsion; _____ % water; and **0.2** % sediment. Gravity, °Bé. **33.9**

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

H. D. Cox, Driller **S. D. Burke**, Driller
L. L. Johnson, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1360	1360	Red beds and sand
1360	1470	110	Anhydrite
1470	2160	690	Salt
2160	2340	180	Anhydrite and red shale
2340	2500	60	Sand
2500	3122	622	Anhydrite, sand, red shale, and salt
3122	3144	22	Queen sand
3144	3146	2	Anhydrite

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

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It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

LYMING BECOMES

Sandfraced open hole 3123-3146' with 8000 gallons sandfrac with
1/2# sand/gallon added.

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[illegible]

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PHOTOGRAPHY OF SUBSAL

DEPARTMENT OF THE INTERIOR
UNITED STATES

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